

Datasheet

LWR01

Wireless Human Presence Sensor



The LWR01 is a wireless human presence sensor built on mmWave radar technology, delivering precise and reliable presence detection unaffected by temperature or lighting conditions. With dual power options via battery or USB-C, IPX3 water spray protection, and a built-in ambient light sensor, it is designed to perform across a wide range of real-world environments.

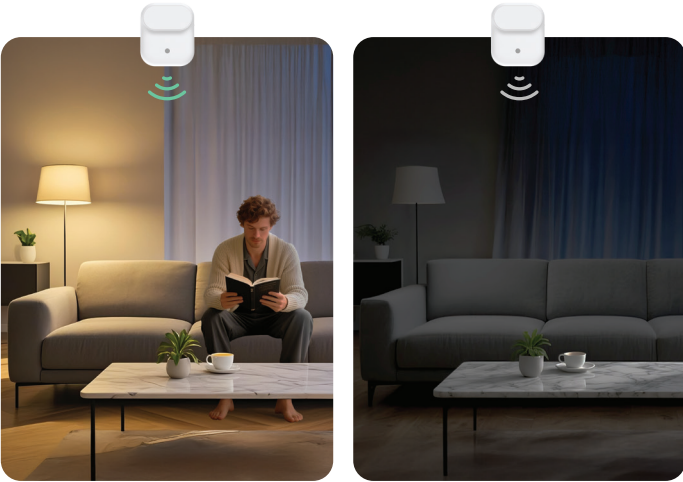
Communicating over Matter over Thread, the LWR01 integrates seamlessly with Apple Home, Amazon Alexa, Google Home, Samsung SmartThings, Home Assistant, and Homey, with all data processed locally for consistent and private operation. Fine-grained control over detection settings is available through the Lafaer App.

Highlights

Advanced Presence Detection

Leveraging mmWave radar technology, the LWR01 provides outstanding sensitivity and precise human presence monitoring, unaffected by temperature fluctuations or lighting conditions, day or night.





Ambient Light Sensor

A built-in ambient light sensor unlocks smarter automations, letting your home respond intelligently to the surrounding environment.

Flexible Power Options

Battery operation enables a completely wire-free installation anywhere in your home. USB-C power delivery provides continuous operation with optimal detection performance and responsiveness.



Matter over Thread

The LWR01 supports Matter over Thread, enabling fast and reliable connectivity to all major smart home platforms including Apple Home, Amazon Alexa, Google Home, Samsung SmartThings, Home Assistant, and Homey. All communication is processed locally with no cloud dependency, ensuring consistent performance and user privacy.

Advanced Control with the Lafaer App

The Lafaer App provides precise control over detection sensitivity and zone configuration, allowing users to fine-tune the sensor to meet the specific requirements of any space.



Specifications

Model	LWR01
Power Input	5V/0.5A
Battery Type	AA Battery x2
Detection Angle	Approx. 120°
Detection Range	Presence: 3.5m (11.5 ft) Motion: 6m (19.7 ft)
Communication Protocol	Matter over Thread
Wireless Standard	IEEE 802.15.4, 2.4 GHz
Dimensions	85 x 72 x 37 mm (3.35 x 2.83 x 1.46 in)
Operating Temperature	0 ~ 40°C (32 ~104°F)
Protection Rating	IPX3

Package Contents

- 1 x User Guide
- 1 x Presence Sensor
- 2 x Adhesive wall mount pad
- 1 x USB-A to USB-C power cable (2m)
- 2 x AA batteries